STANDARD FORM NO. 64

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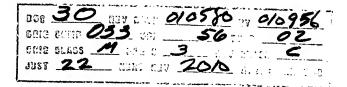# Office Memorandum • UNITED STATES GOVERNMENT

TO   : Chief, R&D Branch

DATE: 3 February 1959

FROM : Chief, R&D Laboratory

SUBJECT: Final KE-6 Keyer Tests

The attached report describes the results of the final

electrical and mechanical tests conducted on the KE-6 Keyer,

(MANUFACTURED   )

25X1

25X1

Attachment:
A&A Report No. 182-C (Part IV)

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REASON 3d (3)

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A&A Report No. 182-C (Part IV)   Project No. 2004-144

3 February 1959

FINAL KE-6 ELECTRICAL AND MECHANICAL TEST RESULTS ANALYSIS AND APPRAISAL

1. INTRODUCTION

One KE-6 was delivered to the R&D Laboratory for final tests. Previous to this date, the unit had been returned to the manufacturer for rework to eliminate several electrical and mechanical deficiencies.

2. ELECTRICAL TEST

The keyer performed during the electrical test as follows:

(a) The voltage applied to the motor input terminals is 5.2 volts, DC.

(b) The keyer operated satisfactorily during the keying test. All characters were transmitted correctly. The keyer did not exhibit evidence of incorrect keying when the keyer buttons were not fully depressed.

3. KEYER CODE

The keyer transmits the following International Morse Code letters when the specified numbered buttons are depressed:

Keyer Button	International Morse Code
1	A
2	N
3	U
4	R
5	K
6	D
7	L
8	C
9	X
10	F
11	AA

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4. MECHANICAL TEST

The manufacturer has improved the mechanical features of the keyer as follows:

(a) A cable clamp has been installed in the keyer to secure the keyer cable.

(b) The collector ring contact tip has been silver plated.

(c) The individual segment pin contacts beneath each key button have been raised above the height of the common contacts. This mechanical improvement eliminates the possibility of transmitting incorrect characters when the key is depressed.

5. CONCLUSIONS AND RECOMMENDATIONS

The KE-6 Keyer is considered to be a satisfactory device. No specific recommendations are given.

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